

FIG. 1  
(PRIOR ART)

2/19

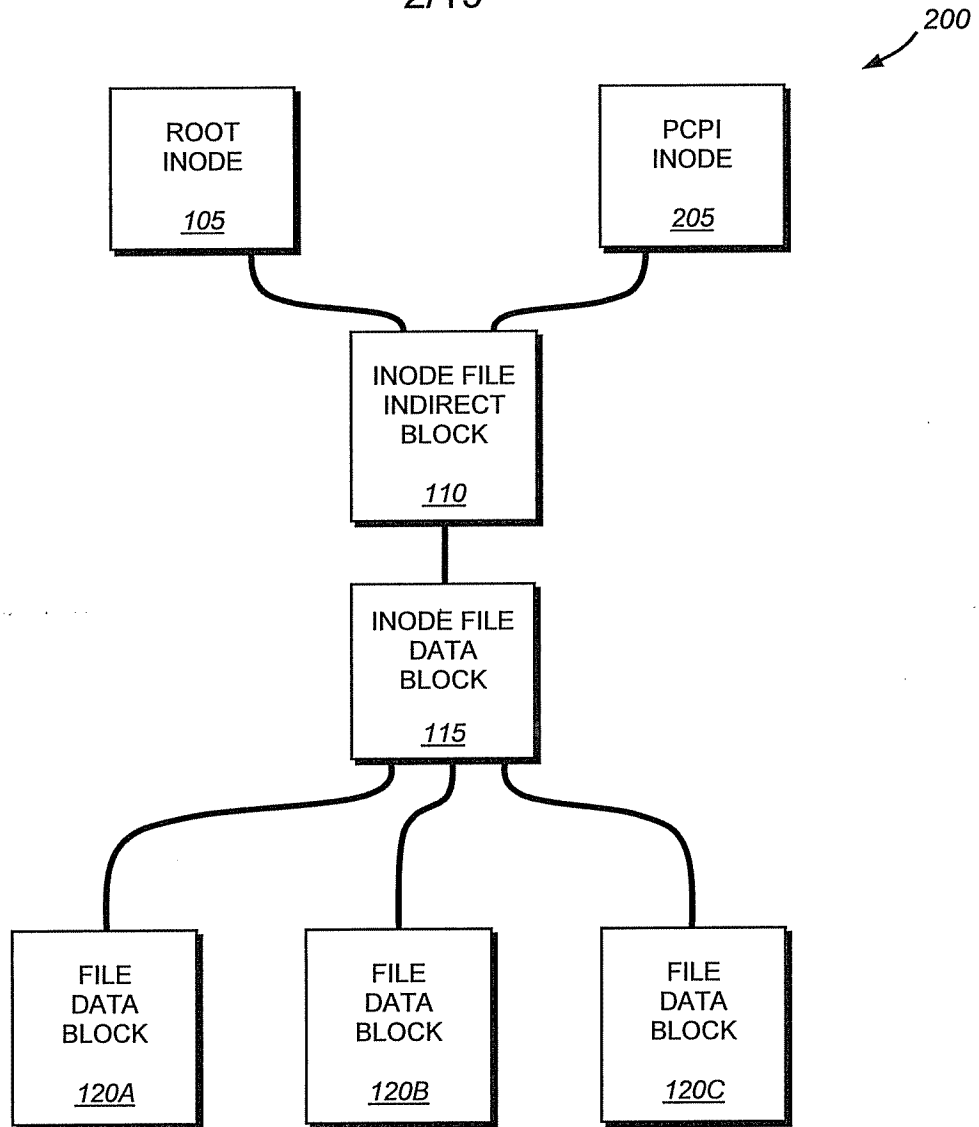


FIG. 2  
(PRIOR ART)

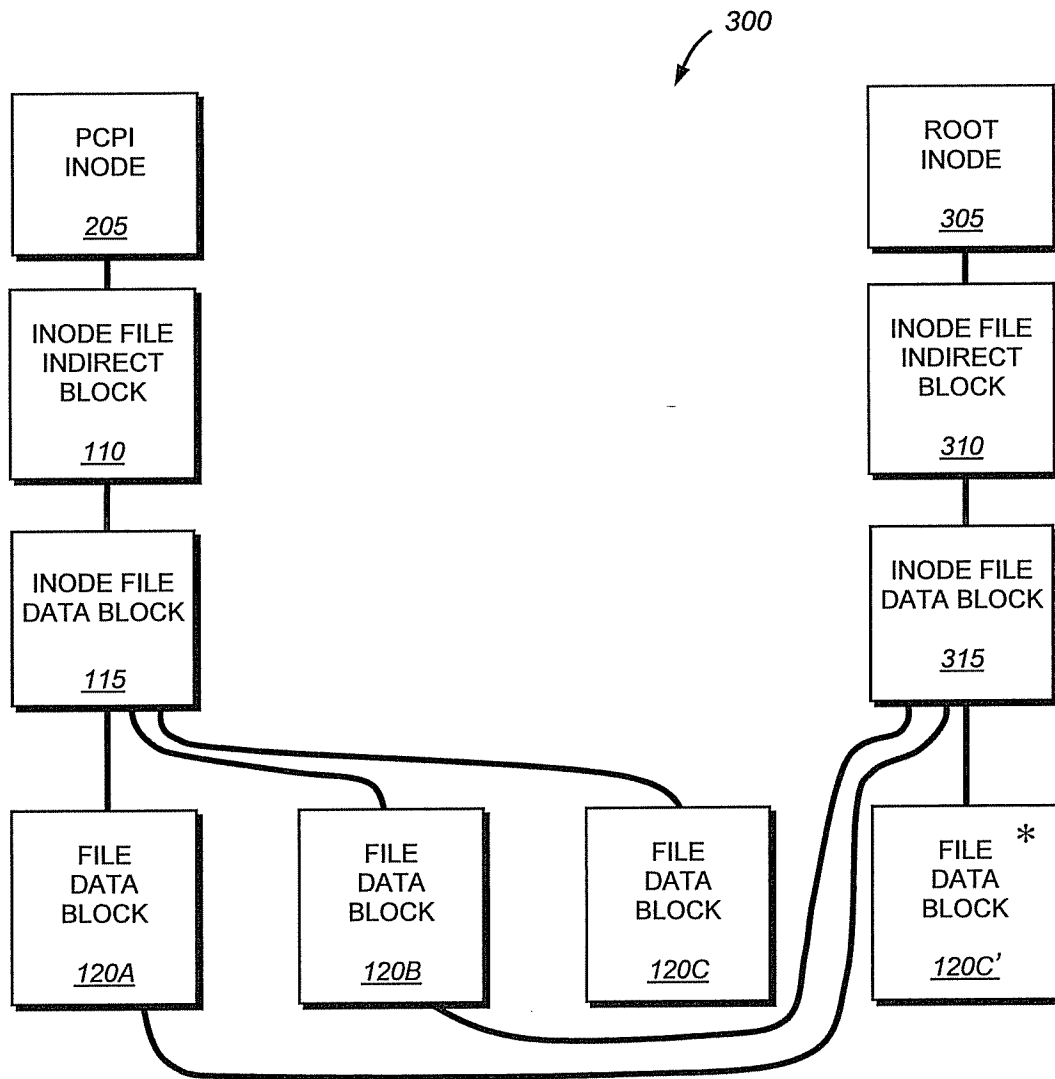


FIG. 3  
(PRIOR ART)

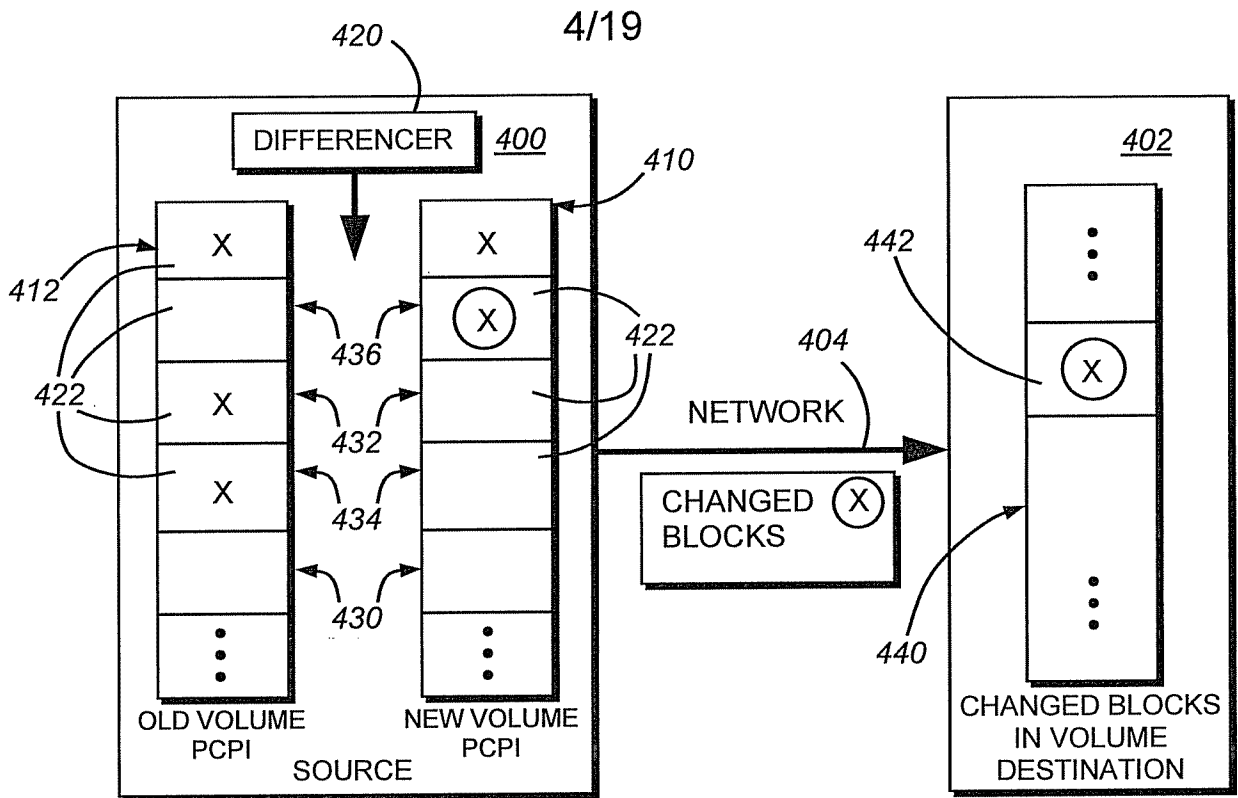


FIG. 4  
(PRIOR ART)

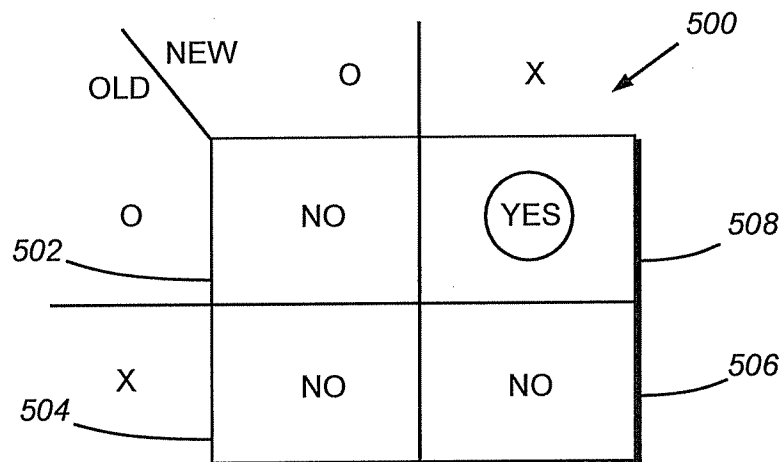


FIG. 5  
(PRIOR ART)

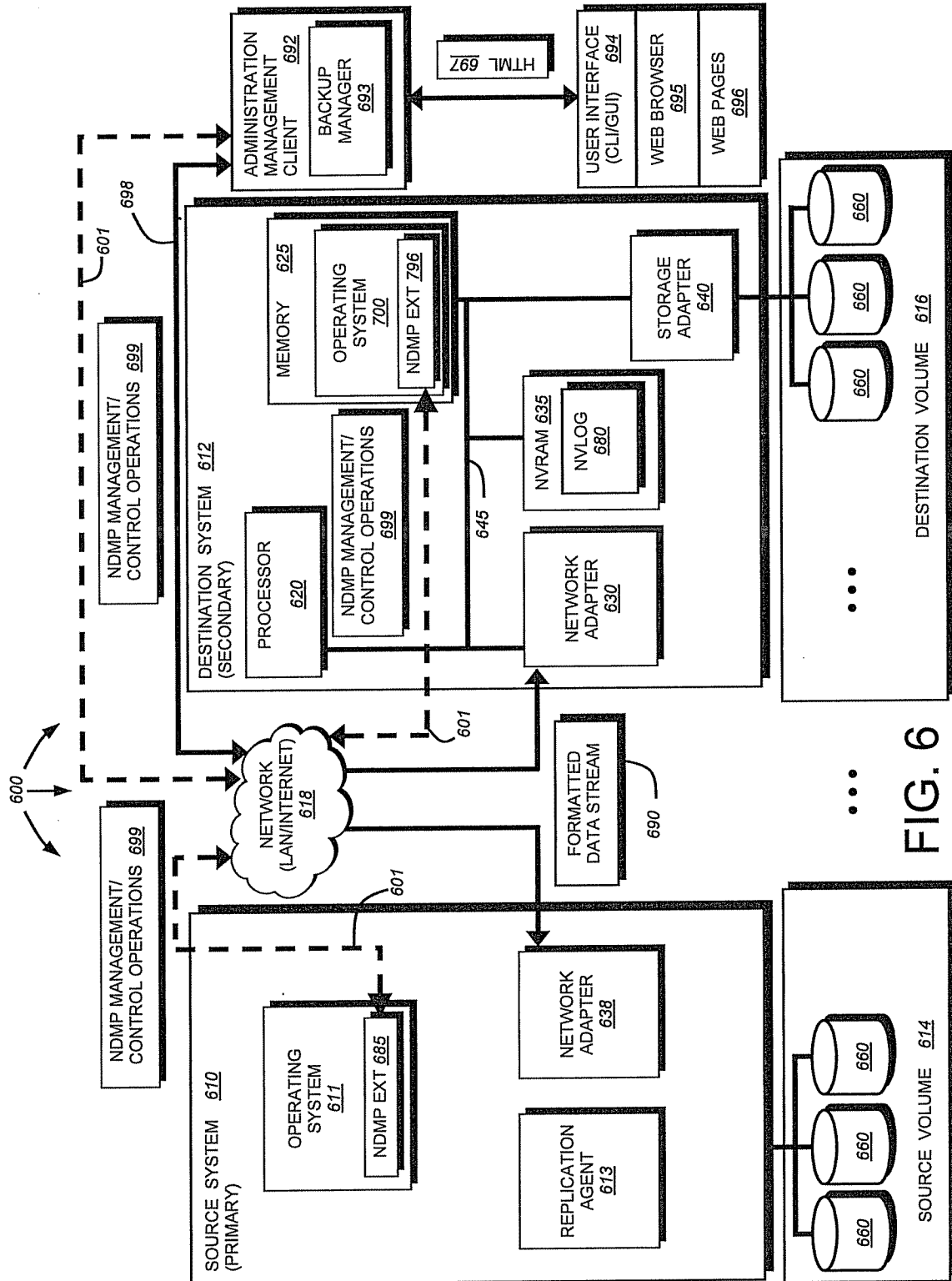


FIG. 6

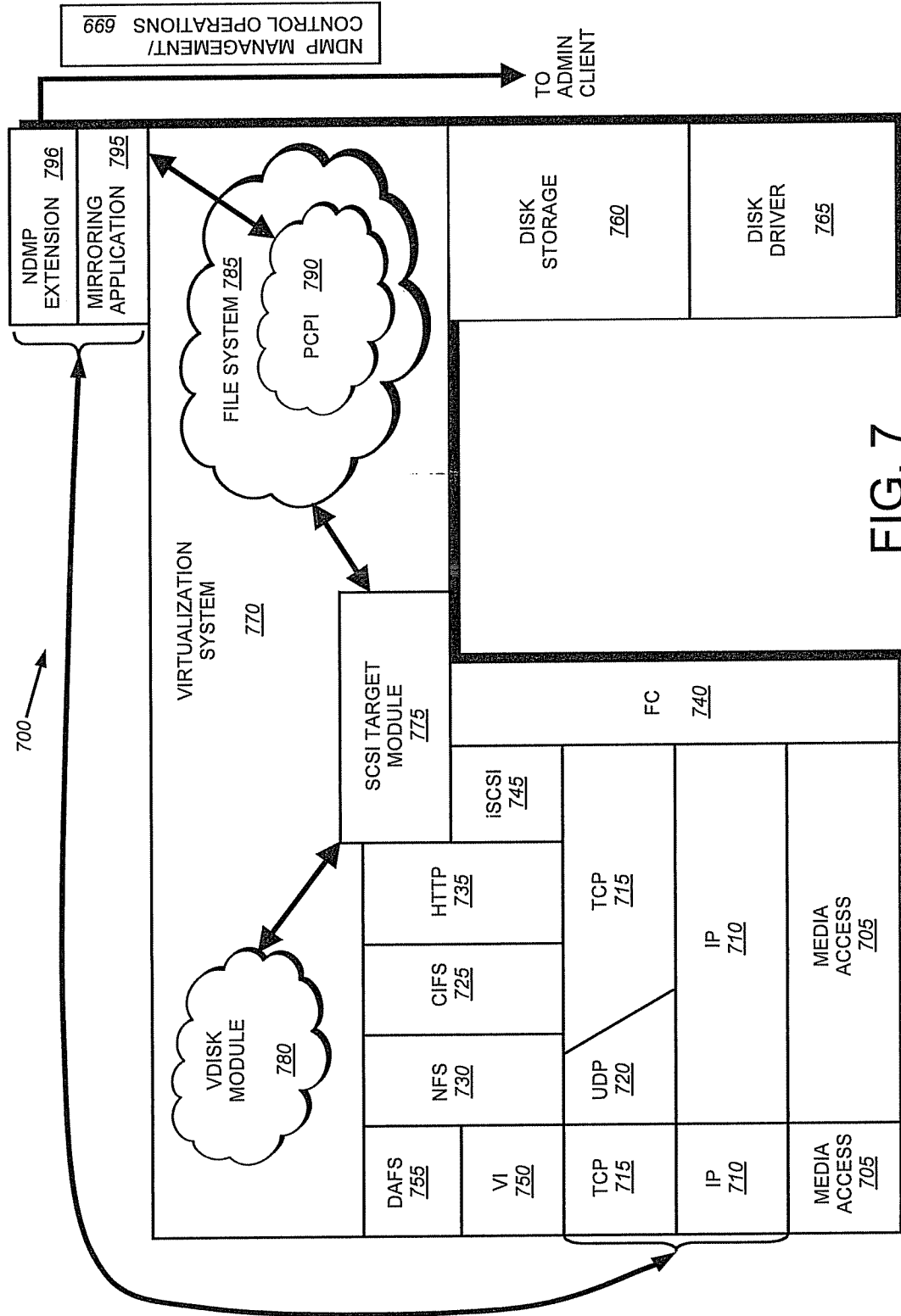


FIG. 7

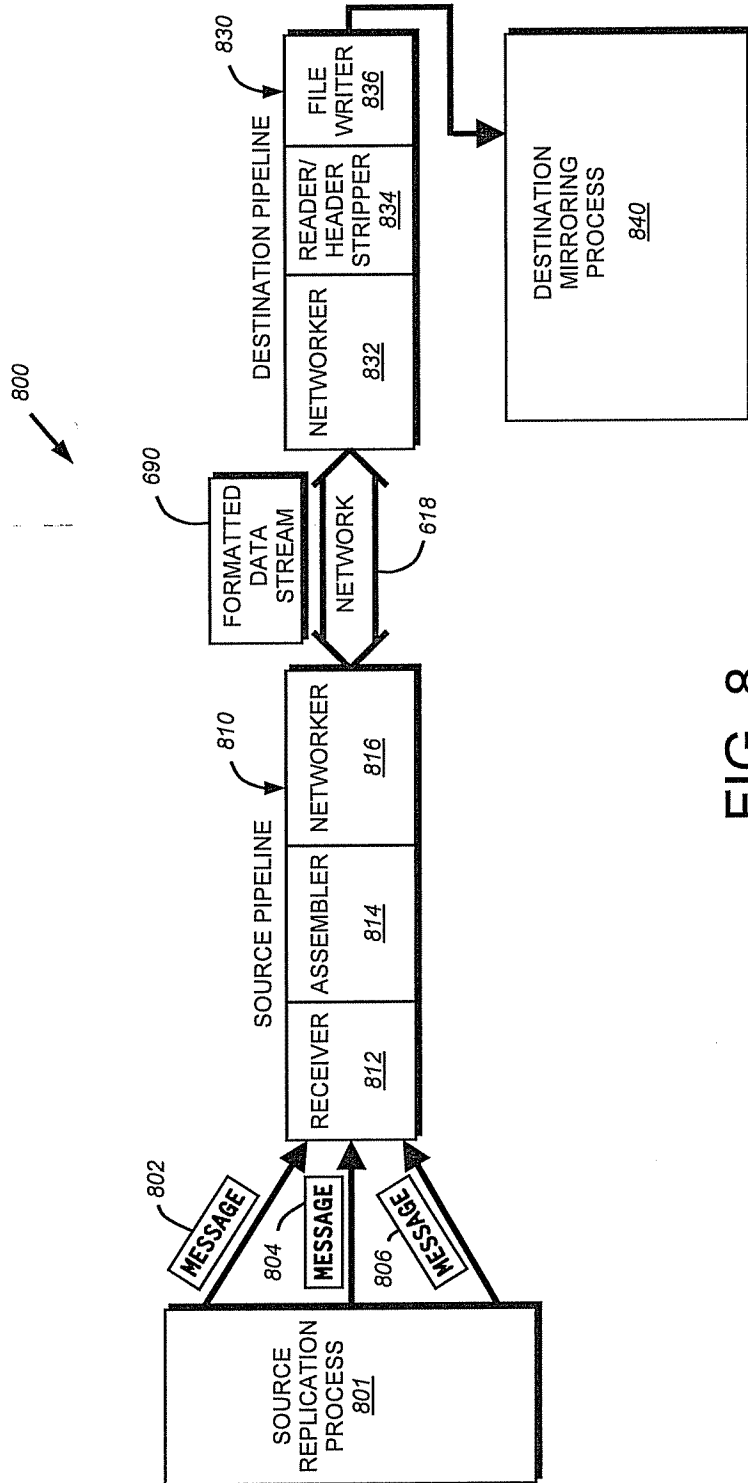


FIG. 8

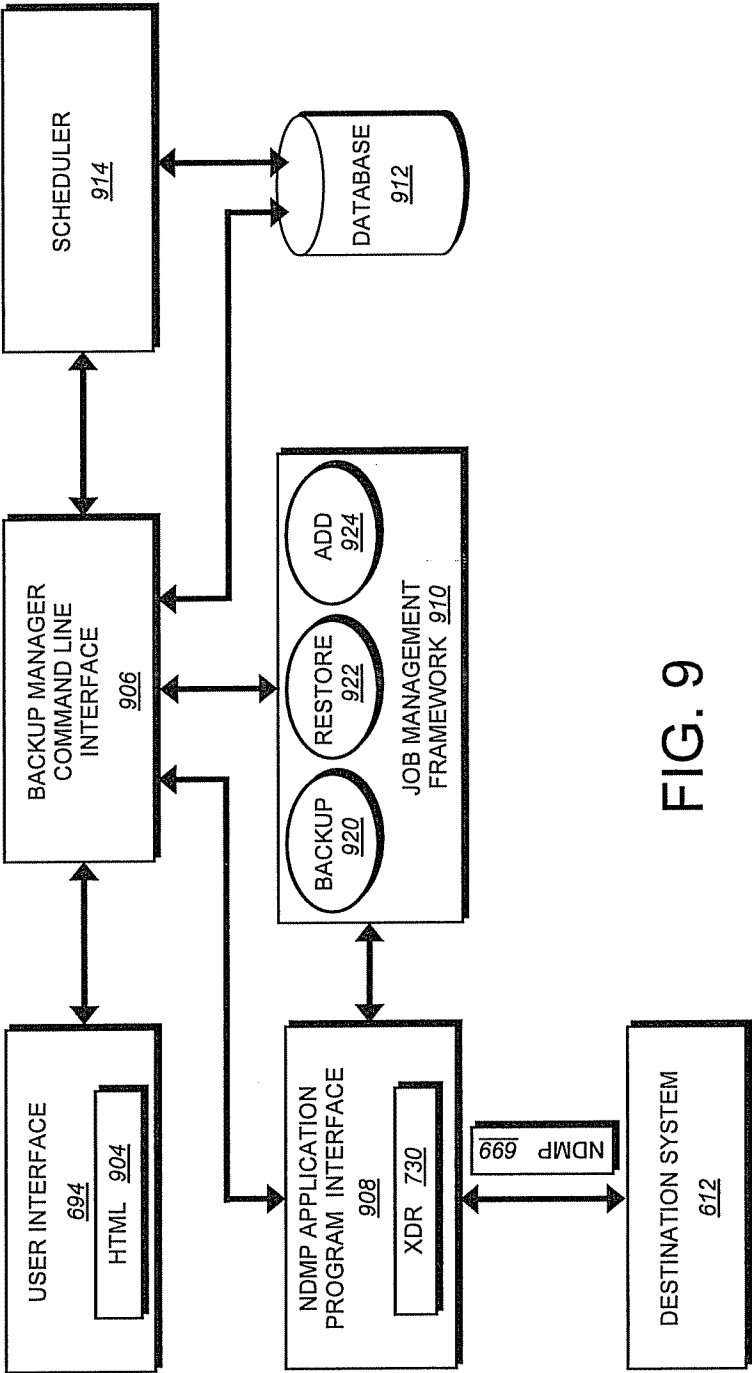


FIG. 9



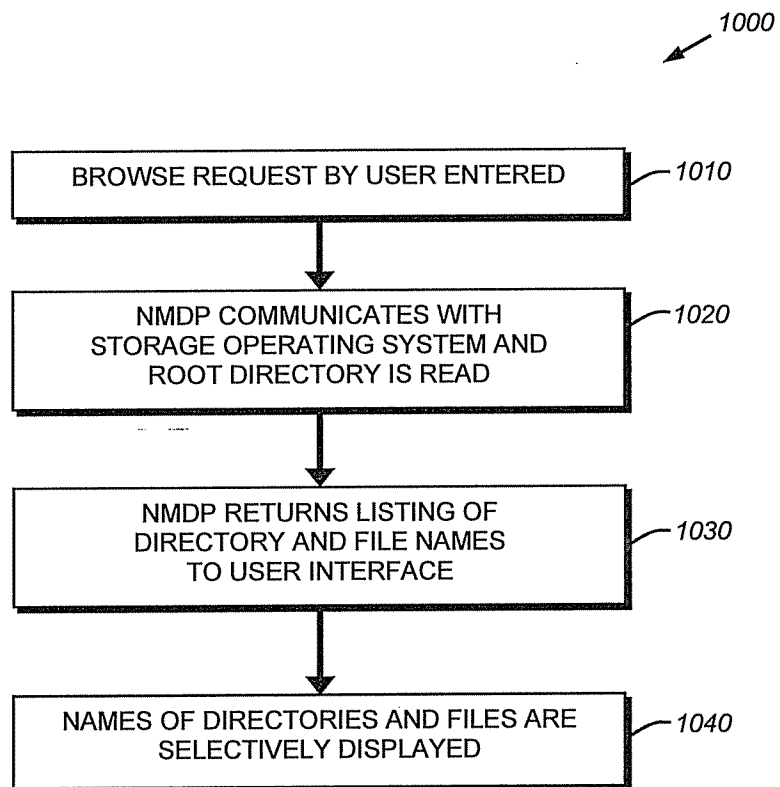


FIG. 10

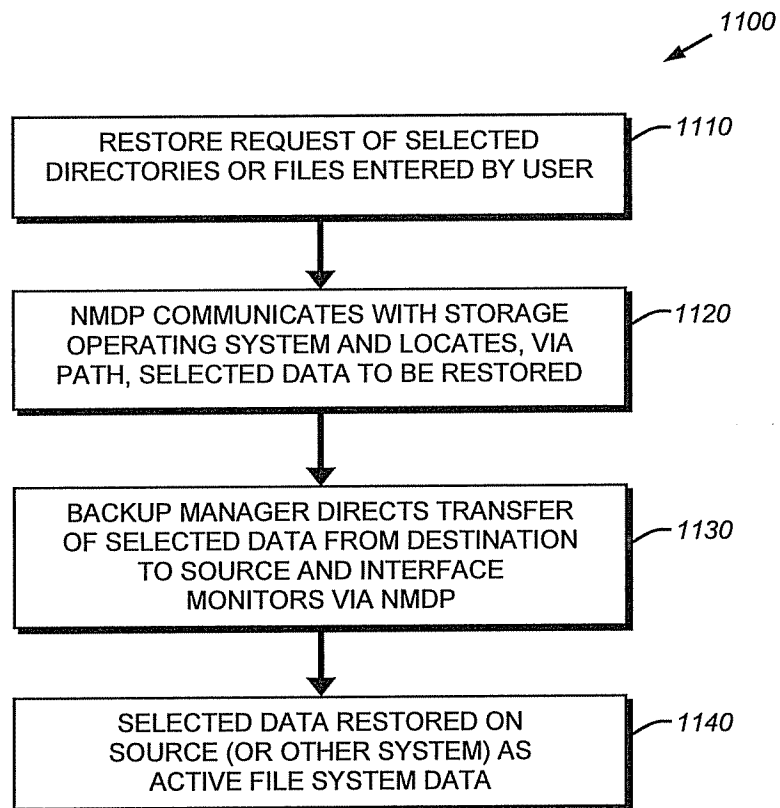


FIG. 11

1200

### Primary Directories

**Add a Primary Directory**

Primary Directory: filer1 1210

Directory:  1220  
 Examples: /vol/users/hackwort,  
 C:\User Data

Secondary Volume: None 1224

Name: filer 1240

View: All Primary Directories 1270

Primary Directory ▼	Status	Secondary Volume	Backup Schedule	Browse Backups
filer1:/vol1/qt3	<u>Initializing</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>
filer1:/cores/cores	<u>Idle</u>	bigdog:/vol2	<u>Core Directories</u>	<u>browse</u>
filer1:/vol1/qt3	<u>Transferring</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>
filer1:/cores/cores	<u>Unconfigured</u>			
filer1:/vol1/qt3	<u>Idle</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>
filer1:/cores/cores	<u>Idle</u>	bigdog:/vol2	<u>Core Directories</u>	<u>browse</u>
filer1:/vol1/qt3	<u>Idle</u>	bigdog:/vol1	<u>Remote Data Servers</u>	<u>browse</u>

Select All Unselect All

No Secondary 1280

1230

FIG. 12

12/19

1300

1310

1320

1330

### Browse Backups

#### Primary Directory

Primary Directory	filer1:/vol1/qt3
Secondary Volume	bigdog1:/backups

1340

1350

Backup Name ▼	Backup Time	Restore
dfm_sv_hourly.0	19 Sep 12:00	<a href="#">restore</a>
dfm_sv_hourly.1	19 Sep 10:00	<a href="#">restore</a>
dfm_sv_hourly.2	19 Sep 06:00	<a href="#">restore</a>
dfm_sv_daily.0	19 Sep 02:00	<a href="#">restore</a>
dfm_sv_hourly.3 ...	18 Sep 22:00	<a href="#">restore</a>

FIG. 13

1400

1420

1430

1440

1410

### Secondary Storage Systems

#### Add a New Secondary Storage System

Secondary System Name	<input type="text"/>
NDMP User Name	<input type="text"/>
NDMP Password	<input type="password"/>

Add

Name:

Secondary System ▼	Secondary Volumes	Edit
<a href="#">bigdog</a>	<a href="#">bigdog:/vol0</a> <a href="#">bigdog:/vol1</a> <a href="#">bigdog:/vol3 ...</a>	<a href="#">edit</a>
<a href="#">bigdog2</a>	<a href="#">bigdog2:/vol0</a>	<a href="#">edit</a>
<a href="#">bigdog3</a>	<a href="#">bigdog3:/vol0</a> <a href="#">bigdog3:/sec1</a>	<a href="#">edit</a>

FIG. 14

1500

Edit Secondary Storage System
Secondary Storage System

Secondary System Name: bigdog

NDMP User Name: root

NDMP Password: \*\*\*\*\*

Update

1510  
1520  
1530

FIG. 15

1600

Secondary Volumes
Add a New Secondary Volume

Secondary System bigdog1

Secondary Volume  
example: /backups

Update

Name: bigdog View: All Secondary Volumes

Secondary Volume	Backup Schedule	Status	Primaries	Browse Backups	Edit
bigdog:/vol1	<a href="#">Remote Data Servers</a>	OK	filer1:/vol1/qt3 filer2:/vol1/qt4	<a href="#">browse</a>	<a href="#">edit</a>
bigdog:/vol2	<a href="#">Core Directories</a>	OK	filer:/cores/cores	<a href="#">browse</a>	<a href="#">edit</a>
bigdog:/backups	<a href="#">Remote Data Servers</a>	OK	filer2:/vol1/qt5 filer3:/vol1/qt6 More...	<a href="#">browse</a>	<a href="#">edit</a>

1610  
1620  
1640  
1650  
1660  
1670  
1680  
1690  
1630

FIG. 16

1700

1720

1710

1724

1732

1730

1750

1760

### Edit Secondary Volume

**Secondary Volume**

Secondary Volume bigdog:/vol1

Backup Schedule Name Four Times a Day [Edit Schedules](#)

Retention Policy Legal Data [Edit Policies](#)

Lag Warning Threshold 4 hours

Lag Error Threshold 8 hours

Update

**Delete Relationships** **Delete**

filer1:/vol1/qt3 ☐

filer1:/vol1/qt4 ☐

Delete Relationship

FIG. 17

1800

1810

### Delete Relationship

DataFabric Backup Manager is preparing to stop backups for the following primary directories:

- filer1:/vol1/qt3
- filer1:/vol1/qt4

This will remove the associated qtrees from the active file system at bigdog:/vol1.

Is this OK?

OK Cancel

FIG. 18

15/19

Browse Backups			
Secondary Volume			
Secondary Volume	bigdog1:/backups		
Schedule	Remote Data Servers		
View By:			Backup Name
Backup Name	Status	Backup Time	Restore
dfm_sv_hourly.0	●	19 Sep 12:00	
filer1:/vol1/qt1	●	19 Sep 11:30	<a href="#">restore</a>
filer2:/vol1/qt2	●	19 Sep 7:00	<a href="#">restore</a>
solaris:/usr/data	●	19 Sep 12:00	<a href="#">restore</a>
dfm_sv_hourly.1	Ⓢ	19 Sep 10:00	
dfm_sv_hourly.2	Ⓢ	19 Sep 06:00	
dfm_sv_daily.0	●	19 Sep 02:00	
dfm_sv_hourly.3	●	18 Sep 22:00	

FIG. 19

Browse Backups			
Secondary Volume			
Secondary Volume	bigdog1:/backups		
Schedule	Remote Data Servers		
View By:			Primary Directory
Primary Directory	Status	Backup Time	Restore
filer1:/vol1/qt1	●	19 Sep 11:30	
● dfm_sv_hourly.0	●	19 Sep 11:30	<a href="#">restore</a>
● dfm_sv_hourly.1	Ⓢ	19 Sep 08:30	<a href="#">restore</a>
● dfm_sv_daily.0	●	18 Sep 22:00	<a href="#">restore</a>
filer2:/vol1/qt2	Ⓢ	19 Sep 10:00	
solaris:/usr/data	●	19 Sep 10:00	
solaris:/usr/cores	●	19 Sep 10:00	

FIG. 20

2120

2110

2130

2140

2100

### Restore

Name:

View:

Primary Directory ▼	Secondary Volume	Leg	Status	Restore
filer1:/vol1/qt3	bigdog:/vol1	1.2 hours	Idle	<a href="#">restore</a>
filer2:/vol1/qt4	bigdog:/vol2	2.1 hours	Idle	<a href="#">restore</a>

2150

2160

FIG. 21

2200

### Restore Wizard

Primary Directory filer1:/vol/qt3  
Secondary Volume bigdog:/vol1

Step 1: Select a backup from which to restore

2210

- ☒ 16 Sep 16:00 (hourly)
- ☐ 16 Sep 08:00 (hourly)
- ☐ 15 Sep 11:00 (daily)

Cancel Next >>

FIG. 22



2300

**Restore Wizard**

Primary Directory	filer1:/vol/qt3
Secondary Volume	bigdog:/vol1
Backup	dfm_sv_hourly.0

Step 2: Select files to restore

Path :

2310

FIG. 23

2400

**Restore Wizard**

Primary Directory	filer1:/vol/qt3
Secondary Volume	bigdog:/vol1
Backup	dfm_sv_hourly.0
Files to Restore	<div style="border-left: 1px solid black; padding-left: 5px;">/a/b/c/file /a/b/directory/ /a/b/file2</div>

2430

2420

2410

Step 3: Select destination for restored data

Restore To:

FIG. 24

2500

### Restore Wizard

Primary Directory    filer1:/vol/qt3

Secondary Volume    bigdog:/vol1

Backup                dfm\_sv\_hourly.0

Files to Restore     /a/b/c/file        to filer1:/vol/qt3/a/b/c/file

                      /a/b/directory/    to filer1:/vol/qt3/a/b/directory/

                      /a/b/file2        to filer1:/vol/qt3/a/b/c/file2

2510

2520

FIG. 25

2600

Jobs				
View:		Time Period:		Refresh:
All Jobs ▼		Today ▼		Every minute ▼
Job	Status	Start Time	Description	Status
<input type="checkbox"/> 13	●	11 Sep 14:45	Recover files from bigdog:/vol1/snapshot/sv daily.0 to filer1:/vol1/qt3	Done
<input type="checkbox"/> 12	?	11 Sep 13:32	Back up 3 primaries to bigdog:/vol1	In progress
<input type="checkbox"/> 11	?	11 Sep 9:45	Back up 15 primaries to bigdog:/vol1	In progress

2610      2620      2630      2640      2650

FIG. 26

2700

**Back Up Now**

NAME:  2710

Secondary Volume ▼	Status	Last Backup	Backup Schedule
bigdog:/vol1	<u>Initializing</u>	19 Sep 11:00	<u>Remote Data Servers</u>
<input type="checkbox"/> bigdog2:/vol2	<u>Idle</u>	18 Sep 11:00	<u>Core Directories</u>
<input type="checkbox"/> bigdog3:/backups	<u>Idle</u>	19 Sep 06:30	<u>Remote Data Servers</u>

2720 {

2730 {

FIG. 27

2800

**Options**

**Default Thresholds**

Lag Warning Threshold  2810

Lag Error Threshold  2820

FIG. 28